
$^9\text{Be}(\text{d},\gamma)$ 1966Zi01,1971Ba72,1974De01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu		NP A880, 88 (2012)	1-Jan-2011

1966Su05: $^9\text{Be}(\text{d},\gamma)$ $0.5 < E < 5.5$ MeV, measured $\sigma(E, 90 \text{ degree})$. $E_\gamma = 22.7$ MeV, measured $\sigma(E_\gamma, \theta)$.

1966Zi01: $^9\text{Be}(\text{d},\gamma)$ $E = 0.4\text{-}1.4$ MeV, measured $\sigma(E, E_\gamma, \theta)$.

1971Ba72: $^9\text{Be}(\text{d},\gamma)$ $E=0.56\text{-}3.56$ MeV, measured $\sigma(E, \theta)$. ^{11}B deduced levels, resonances, Γ -level.

1974De01,1974De39: $^9\text{Be}(\text{d},\gamma_0)$ $E=2.86\text{-}11.92$ MeV, measured $\sigma(E, E_\gamma, \theta)$. ^{11}B deduced resonances, isospin splitting.

^{11}B Levels

E(level)	J^π	$T_{1/2}$	Comments
0			
2.12×10^3			
4.44×10^3			E(level): Unresolved.
5.02×10^3			E(level): Unresolved.
6.76×10^3			E(level): Unresolved.
6.81×10^3			E(level): Unresolved.
16.66×10^3			E(level): γ transitions: from (1966Zi01).
17.44×10^3	$5 (1/2^+, 3/2^+)$	184 keV	Γ : from $E_{\text{res}}=1.98$ MeV 5 (1971Ba72). J^π :weak; based on assumption of E1 transition.
18.37×10^3	$5 (1/2^+, 3/2^+)$	0.26 MeV	Γ : from $E_{\text{res}}=3.12$ MeV 5 (1971Ba72). J^π :weak; based on assumption of E1 transition.
18.6×10^3			E(level): from $E_{\text{res}} \approx 3.4$ MeV (1974De39).
19.7×10^3			E(level): from $E_{\text{res}} \approx 4.7$ MeV (1974De39).
23.7×10^3			E(level): from $E_{\text{res}} \approx 9.65$ MeV (1974De39).

$\gamma(^{11}\text{B})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	E_γ	$E_i(\text{level})$	J_i^π	E_f
9.90×10^3	16.66×10^3		6.76×10^3	16.66×10^3	16.66×10^3		0
11.63×10^3	16.66×10^3		5.02×10^3	17.44×10^3	17.44×10^3	$(1/2^+, 3/2^+)$	0
12.20×10^3	16.66×10^3		4.44×10^3	18.37×10^3	18.37×10^3	$(1/2^+, 3/2^+)$	0
14.52×10^3	16.66×10^3		2.12×10^3	18.6×10^3	18.6×10^3		0
15.32×10^3	17.44×10^3	$(1/2^+, 3/2^+)$	2.12×10^3	19.7×10^3	19.7×10^3		0
16.25×10^3	18.37×10^3	$(1/2^+, 3/2^+)$	2.12×10^3	23.7×10^3	23.7×10^3		0

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